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DERWENT-WEEK: 199419

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TITLE: Multi-disc optical data storage system for emulating magnetic disc unit - has host system for receiving and transmitting commands and data in format of magnetic disk and converts command and data between formats of magnetic disk and optical disk.

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PRIORITY-DATA: 1990JP-0069257 (March 19, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES
MAIN-IPC			
US 5313617 A	May 17, 1994	N/A	016 G06F
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INT-CL (IPC): G06F013/00

ABSTRACTED-PUB-NO: US 5313617A

BASIC-ABSTRACT:

The data storage system comprises a magnetic disk, an optical disk, optical disk drive units, and optical disk transport devices for transporting the optical disk to the optical disk drive units as required. The data storage system further comprises a host system for receiving and transmitting a command and data in the format of the magnetic disk and a converter for converting the command and the data between the format of the magnetic disk and that of the optical disk.

The optical disk, the optical disk drive unit and the optical disk transport device are controlled by a command and data in the format of the magnetic disk of the host system.

USE/ADVANTAGE - Data storage and emulation system for use with operatively associated host computer using command in magnetic disk command format to access data stored according to magnetic disk data format. Improved reliability and response characteristics of data storage system.

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Basic Abstract Text - ABTX (1):

The data storage system comprises a magnetic disk, an optical disk, optical disk drive units, and optical disk transport devices for transporting the optical disk to the optical disk drive units as required. The data storage system further comprises a host system for receiving and transmitting a command and data in the format of the magnetic disk and a converter for converting the command and the data between the format of the magnetic disk and that of the optical disk.

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